



TRIVALENCE

TriLEC PC13AS (U)

Electrically Conductive Polycarbonate(PC)

General Information

Product Description

Anti-static PC, impact modified.

FEATURES

- Good Strength
- EMI/ESD/RFI
- Low Flow

ADDITIONAL FORMULAS

- Additional UV "U"
- (ESD) grades also available.

COLOR

- All
- Opaque



General

- | | |
|-----------------------------|---|
| Typical Applications | -Transportation, defense, packaging, enclosures |
| Processing Method | -Injection/Extrusion |
| Form(s) | -Pellets |
| Availability | -North America, Europe, Asia, Latin America |

ASTM / ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ASTM D792
Melt Flow Rate (350°C/1.2kg)	8	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.4	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	7000	psi	ASTM D638
Tensile Elongation, yld	>2	%	ASTM D638
Flexural Modulus	510,000	psi	ASTM D790
Unnotched Izod Impact (73F)	6	ft-lbs/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1 x 10 ¹⁰ - 1x 10 ¹²	Ω/cm ³	ASTM D257
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance

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|-----------------------------|---------------|
| Drying Temperature | 240 to 260 °F |
| Drying Time | 2 to 4 Hours |
| Suggested Max Moisture | 0.02 % |
| Processing Melt Temperature | 550 to 590 °F |
| Mold Temperature | 160 to 240 °F |